

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

On Investigating Unstable Complex Compounds in
Solution by Their Absorption Spectra, by
S. A. Shchukarev, O. A. Lobanova, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CV, 1955,
pp 741-743.

AEC Tr 2486

40,177

ASLIB-GB45

SLA R-242/5-7

Sci - Physics

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

The Enthalpy of Formation of Zinc Phosphide Zn_3P_2 ,
by S. A. Shchukarev, G. Grossman, M. P. Morozova, 2 pp.

RUSSIAN, no per, Zhur Obshch Khim, SSSR, Vol XXV,
No 4, Apr 1955, p 633. CIA C 39500

Consultants Bureau

Scientific - Chemistry
Nov 55 CTS/DEX

28,870

Basic and Acidic Oxides of Metals of the Large
Periods of the Periodic System, by S. A.
Shchukarev, 13 pp.

MESSIAN, per, Zhur Obshch Khim, Vol XXVIII,
No 4, 1958, pp 845-858.

Consultants Bureau

Sci - Chem
Jun 59

89,118

Heats of Solution of the Hexahydrates of Cobalt and Nickel Perchlorates, by S. A. Shchukarev, Z. U. Borisova, G. M. Orlove, 3 pp.

ROSSIAN, per, Zhur Obshch Khim, Vol XXX, No 3, 1960,
pp 1053, 1054.

CB

Sci -
Apr 61

147,604

The Role of Ionization Potentials in the Thermodynamics of the Halides of Metals in the First Sub-
ximum period of the Fourth Period of D. I. Mendeleev's
System, by S. A. Eshchukarev, M. A. Oranskaya, 11 pp.

Full tr

RUBRIAN, no per, Zhur Obshch Khim, Vol XXIV, No 12,
1954, pp 2109-2118, CIA 5A2762 C, reel 3.

37,652

Consultants Bureau

Sci. - Chemistry
Aug 56 CJS

Enthalpy of Formation of Compounds of
Manganese With the Elements of the Main
Sub-Group of the Vth Group of the Periodic
Table, by S. A. Shchukarev, M. P. Morozova,
4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI,
No 6, 1961, pp 1773-1776.

CB

Sci

201,864

Jun 62

Determination of the Saturated vapor Pressure of Indium Oxide, by S. A. Shechukarev, G. A. Semenov, 3 pp.

RUSSIAN, per, Znur Obshch Khim, Vol XXXI, No 7,
1961, pp 2090-2091.

GB

Sci
13 Jun 62

200,583

Study of Molybdenum Halides. I. Vapor Pressure and
Dissociation Pressure of Molybdenum Pentachloride, by
S. A. Shchukarev, I. V. Vasilkova, B. N. Sharupin,
6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 8,
1956, pp 2093-2096.

consultants Bureau

Sci - Chem

56, 498

Dec 57

The Thermal Stability of Copper Halides, by S. A.
Shchukarev, E. V. Grankaya, 10 pp.

Full tr

RUSIAN, no par, Zhur Obshch Khim, Vol XXIV, No 11,
1954, pp 1986-1994. CIA 542761-C, Reel 3.

Consultants Bureau

37722

Sci - Chemistry

Aug 56 CMS

The Thermal Stability of Cobalt and Nickel
Halides, by S. A. Shchukarev, T. A. Tolmacheva,
M. A. Granakaya, 14 pp.

Pull tr

RUSSIAN, paper, Zhur Obshch Khim, Vol XXIV, No
12, 1954, pp 22093-2108, CIA 542762, C, reel 3.

Consultants Bureau

Sci - Chemistry
Aug 56 CMR

37,651

A Case of Surgical Treatment of a Solitary
Metastasis of Carcinoma of Rectum in the
Lung, by N. K. Shchukareva, 5 pp.

RUSSIAN, per, Voprosy Onkol, Vol VI, No 10,
1960, pp 86-90.

PP

Sci
Jun 61

156,300

Preparation of Indanthrene Clear Orange GR, by
I. V. Grachev, E. B. Shchukovich, 9 pp.

RUSSIAN, no per, Zhur Khim Prom, Vol XVIII, No 19,
1941, pp 1-7.

Sci Tr Center
RF-4004

39,137

Sci - Chemistry
Sep 56 CMS/den

The Enthalpy of Formation of Compounds of Cadmium with Phosphorus, Arsenic and Antimony, by S. A. Shchuparev, M. P. Morozova, N. N. Bortnikova, 3 pp

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 12, 1958, pp 3189-3291

Consultants Bureau

Sci

108,995

Feb 60

A Volatile Higher Chloride of Ruthenium, by
S. A. Shekharev, N. I. Kolbin, A. N. Ryabov,

RUSSIAN, per, Zhur Naorg Khim, Vol IV, No 7,
1959, pp 1692.

Cleaver-Hume Press Ltd.
London

Sci - Chem
Jan 60

106,397

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

Enthalpies of Formation of Compounds of Zinc with
AsII Antimony, by S. A. Shchukarev, M. P.
Morozova, and Yu. P. Sapozhnikov, 4 pp.

Full tr

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI,
No 2, 1956, pp 304-306. CIA 9007072 C, Reel No
64

Consultants Bureau

41, 668

Sci - Chemistry
Dec 56 CTS

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

Quantitative Colorimetric Determination of
Aliphatic & Alcohols in the Ultraviolet, by
S. A. Shchukarev, S. N. Andreyev, I. A. Ostrovskaya,
5 pp.

Full translation.

RUSSIAN, bimo per, Zhur Anal Khim, Vol IX, No 6,
USSR, Nov-Dec 1954, pp 354-358. CIA D 151315

Consultants Bureau

Scientific - Chemistry 68 CTS 28/May 55

23739

Study of polyphosphorus esterification
at the Catalysis of Formation of
Polyphosphorus Tetraoxide, by
S. A. Shevukarov, et al.
Russia, pub. Vestnik, Leningrad, Gos.
Ucheb., No 22, No 4, 1961, pp 127-129.
*4551 4508

116

S. A. Aet Shevukarov

SCI/EMI
Nov 65

Mass-Spectrometric Study of the
Vaporization of NbO_3 by
S. A. Shchukarev, et al.
RUSSIAN,per, Izv Vuz khim i khim
Tekhn, No 5, 1962, pp 691-693.
NASA TT F-9776

73

S. A. Shchukarev

Sci-Thon
Mar 66

297,368

A Thermodynamic Investigation of
Polyisobutylene Iodide, by S. A. Shchukarev.
SUSIKAN, per, Vestnik Leningradskogo
Universiteta Ser. Fiz. Khim., No 4, 1962,
pp. 148-153.
SISI 4500

81

S. A. SHCHUKAREV

USSR
Sci./Tech.
Jan. 66

294,630

Uva-Violet Colorimetric Determination of
Small Amounts of Ketones, by S. A. Shchukarev,
N. Andreev, O. V. Saponnikova, 4 pp.

RUSIAN, per, Zhur Anal Khim, Vol IX, No 4,
Jul-Aug 1954, pp 193-195. CIA D 151241

Consultants Bureau

Scientific - II Chemistry Mar 55 CFS/DEK

22,496

V
An Investigation of the Possibility of Colorimetric Analysis in the Ultraviolet, by S. A. Shchukarev, S. N. Andreev, 12 pp. UNCLASSIFIED.

RUSSIAN, per, Zhur Anal Khim, Vol VIII, No 1, 1953,
pp 22-32.1

Consultants Bureau

13160

Scientific - Chemistry

Hydrolysis and enthalpy of formation of niobium
oxide trichloride, by S. A. Shchukarov, E. K. Smirnova.
2 pp.

RUSSIAN, per, Zhur Neorgan Khim, No 6, 1962,
pp. 1216-1218.

CS

Sci

233,434

Apr 63

Thermal Dissociation of Gold Chlorides, by S.A.
Shchukarev, M.A. Oranskaya. 7 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 5,
1956, pp 881-886.

AEC-Tr-4586

340, 926

Sci

Apr 63

Thermodynamic Investigation of Certain Chlorine Derivatives of Tungsten, by S. A. Shchukarev, G. I. Novikov, 6 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 3, 1954.
pp. 357-361.

AEC-Tr-4584

Sci

341, 011

Apr 43

Enthalpy of formation of niobium pentabromide and
oxide tribromide, by S. A. Shchukarev, E. K.
Smirnova, 1 pp.

RUSSIAN, per Zhur Neorgan Khim, No 6, 1962,
pp 1213-1215.

CS

233,433

Sek

Apr 63

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

The Oxychloride of Trivalent Uranium, by S. A.
Shchukarev, A. I. Efimov, 6 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol II, No 10, 1957,
pp 2304-2306.

AEC-tr-4060
PL-480

Sci

Aug 61

163,377

PST 87

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

The Periodic Law of D. I. Mendeleev as a Basic Concept
in Modern Chemistry. (On the 85th Anniversary of the
Discovery of the Law), by S. A. Shchukarev, 10 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 4,
1954, pp 581-592. CIA D 151347

Consultants Bureau

Scientific - Chemistry

25,380

Effect of the Concentration of Solutions of Acids on the
Heat of Their Reaction with Zinc and Barium Hydroxides,
by S. A. Shchukarev, L. S. Lilich, V. A. Latysheva,
4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV,
No 8, Aug 1955, pp 1444-1447. CIA C 42156.

Consultants Bureau

35, 112

Sci - Chemistry

Jun 1956/Dex

SHCHUKAREV, S. A.

Missing Perissads and Artiads that have No Stable
Odd Subelements* (* Read at a meeting of the
Leningrad Section of the D. I. Meneleyev All-Un
Chem Society on 25 Mar 1948.)

Zhur Obshch Khim, Vol XIX, No 3, 1949 (Mar), pp 345-
348

Consultants Bureau Translation

A - 10251

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

Higher Barium Phosphides, by S. A. Shchukarev, N. P.
Morozova, E. A. Prokofyeva, 1 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 8,
1954, pp 1277-1278. CIA C 41477

Consultants Bureau

33,257

Scientific - Chemistry
Apr 56 CRS/dex

M.R.F. S-126

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

SHCHUKAREV, S. A., Chair of Gen and Inorg Chem,
University of Leningrad

So-called Anomalies and Degenerated Anomalies of
Element (Atomic) Weights* (*Presented Feb 6, 1947 at
a meeting of the Chemical Society in Commemoration
of the 40th Anniversary of the death of D. I. Men-
deleyev

Zhur Obshch Khim, Vol XIX, No 3, 1949 (Mar), pp 329-
335

Consultants Bureau Translation

A 10652

SHCHUKAREV, S. A.

The Isomucleon Rule and the Apportionment of the
Stable Subelements between the Actinids and the
Perissads* (*Read before a scientific meeting of
Leningrad State University on January 9, 1947.)

380 -

Zhur Obshch Khim, Vol XIX, No 3, 1949 (Mar), pp ~~227-~~
~~244~~ 390.

Consultants Bureau Translation

A-10853

The Heats of Formation of $\text{UO}_2\text{Cl}_2\text{aq}$, $\text{UCl}_2\text{Br}_2\text{aq}$,
 $\text{UO}_2\text{Cl}_2 \cdot \text{H}_2\text{O}$, $\text{UO}_2\text{Cl}_2 \cdot 3\text{H}_2\text{O}$, $\text{UCl}_2\text{Br}_2 \cdot \text{H}_2\text{O}$ and
 $\text{UCl}_2\text{Br}_2 \cdot 3\text{H}_2\text{O}$, by S. A. Shchukarev, I. V. Vesil'-
kova, V. N. Drozdova, K. E. Frantseva.

RUSSIAN, per, Zhur Neorgan Khim, Vol IV, No 1,
1959, pp 39-41.

The Cleaver-Hume Press Ltd

Sci - Chem
Jan 60

105,868

III. The Thermochemistry of Solid Uranium Oxyhalides
and the Substitution Principle, by S. A. Shchukarev,
L. V. Vasil'kova, V. M. K. Dronzova, N. S. Martynova.
1.

RUSSIAN, per, Zhur Neorgan Khim, Vol IV, No 1, 1959,
pp 33-38.

The Cleaver-Hume Press Ltd

Sci :: Chem
Jan 60

105,866

Chromium Dioxide - Preparation, Properties, and
Enthalpy of Formation, by S. M. Ariya, S. A.
Shchukarev, V. B. Glushkova, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIII, No 8,
1953, pp 1241-1245.

c20,135

Consultants Bureau

Scientific - Chemistry Dec 54 CTS/DEK

Mass Spectrometric Study of the Sublimation of
Germanium Dioxide, by S. A. Shchukarev, G. A.
Semenov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5, 1958,
pp 1059-.

Consultants Bureau

Sci - GM Chem

Jun 59

88, 748

Problems of Contemporary Chemistry of Coordination Compounds, by S. A. Shchukarev and L. S.

Lilich,
RUSSIAN, bk., Problemy Sovremennoi Khimii i
Koordinatsionnykh Soedineniy,

*CIS

S. A. Shchukarev

Jan 66

Optical and Tensimetric Studies of the Chlorine Derivatives of Hexavalent Tungsten, by S. A. Sachukarev, G. I. Bovikov, 16 p.

RUSSIA, per, Zhur Neorgan Khim, Vol III, No 12, 1958,
pr 2630-B641.

ASG-tr-4460
PL-480

Sci

199; 322

May 62

PST 382

The Disproportionation of Uranium Trichloride, by
S. A. Shchukarev, I. V. Vasil'kova, 6 pp.

RUSSIAN, per, Zhur Neorgan Khimx, Vol I, No 12,
1956, pp 2652-2656.

AEC-Tr-4593
PL-480

Sch

233,877

Mar 63

Shchukarev, S. A., Andreev, S. N., and Balicheva,
T. G.
INFRARED SPECTRA OF PERCHLORIC ACID AND
ITS SOLUTIONS IN THE REGION 3700-2300 CM.
[1962] 12p. 25 refs.
Order from OTS or SLA \$1.60

62-20164

Trans. of Leningrad U. Vestnik (USSR) 1962 [v. 17]
no. 4 [Seriya Fizika i Khimii no. 1] p. 128-134.

DESCRIPTORS: *Perchloric acid, Gases, Water, Solutions,
Organic solvents, *Spectra (Infrared), Absorption spectra.

A study is made of vibrational frequencies of aqueous
 HClO_4 in a broad range of its concentrations, and of
the vibrational spectra of this acid in gas phase and in
organic, non polar solutions.

(Chemistry--Physical, TT, v. 9, no. 11)

62-20164

I. Shchukarev, S. A.
II. Andreev, S. N.
III. Balicheva, T. G.

Office of Technical Services

Investigation of Polyacrylic Salts.
Determination of the formation enthalpy of
Tetrafluoride, by S. A. Shchukarev, et al.
RUSSIAN, per, Vestnik Leningradskovo Universiteta Ser. Fiz. Khim, No 22, 1961,
pp 127-139.

RISI-4508

S. A. Shchukarev

42500
Set/3061
Feb 66

204,657

Vibrational Spectra of the Water of Crystallization
in Monocrystals of $\text{NiSO}_4 \cdot 7\text{H}_2\text{O}$, $\text{NiSO}_4 \cdot 6\text{H}_2\text{O}$, $\text{CaSCl}_4 \cdot 2\text{H}_2\text{O}$
near the Fundamental of the O-H Valence Vibration,
S. N. Andreyev, S. A. Shchukarev, T. G. Balicheva,

pp. [5]

RUSSIAN, per, Zhur Strukturnoy Khim, Vol I, No 2,
1960, pp. 183-188.

CS

168, 969

Sci.

Sept 61

Mass Spectrometric Method for the Study of the
Evaporation of Slightly Volatile Substances, by S. A.
Shechukarev, G. A. Semenov, 7 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol II, No 6, 1957,
pp 1217-1220.

AEC-tr-4056
PL-480

146,299

Sci.

Apr 61

PST No 83

The Chemistry of Tungsten and Molybdenum
Chlorides and Oxychlorides, by
S. A. Shchukarev,
Khimiia, ser. Chistye Metalli i Poluproducti,
1957, pg 142-149.
CISI 4472

S. A. Shchukarev

200,220

Modern Inorganic Chemistry in the Light of the Ideas
of D. I. Mendeleev, by S. A. Shchukarev, 10 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol II, No 4, 1957,
pp 713-718.

AEC-PL-4054
PL-400

146,325

Sci.

Apr 61

PST No 81

A Possible Application of the Lambert-Beer
Law to the Study of Gaseous Systems in a Wide
Temperature Range, by S. A. Shchukarev, G. I.
Novikov, et al. 7/7P.

RUSSIAN, par., Zhur Neorgan Khim, Vol I, No 11,
1956, pp 2433-2439.

AEC-Tr-4592
PL-480

Sci

Jun 63

342 7/3

Thermal Dissociation of Platinum Halides. Communication
1. Platinum Bromides, by S. A. Shchukarev, T. A.
Tolmacheva, 10 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 1, 1956,
pp 8-16.

AEC-tr-4582
PL-480

Sci

Aug 62

PST 561
7

206,412

Thermal Dissociation of Platinum Halides. Communication
2. Platinum Chlorides, by S. A. Shchukarev, M. A.
Oranskaya, 8 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 1, 1956,
pp 17-23.

AEC-tr-4582
PL-480

Sci

Aug 62

PST 571

206,413

Infrared Absorption Spectra of Anhydrous Sulfuric
and Orthophosphoric Acids, by S. A. Shchukarev,

8 pp.
RUSSIAN, pub. Leningrad, Universitet, Vestnik,
Seriya Fizika i chimiia, No 1, 1964, pp 147-151.
#100060068-1
PTD-AB-64-348

Sci-Chem
Apr 68

S. A. Shchukarev?

352,308

Studies on Halide Complexes of Zinc, Cadmium and
Mercury in Aqueous Solutions, by S. A. Shchukarev
and L. S. Lilich, 8 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 2,
1956, pp 225-231.

AEC-tr-4583
PL-480

Sci
Jan 62

233981

Saturation Pressure of Vanadium Tetrachloride Vapor,
by S. A. Shchukarev, M. A. Oranskaya, 6 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 1, 1956,
pp 30-35.

AEC-tr-4582
PL-480

Sci

Aug 62

206,416

PST 571

Spectrophotometric Study of Complex Bromides of Cobalt
in Alconolic Solutions, by S. A. Shchukarev, O. A.
Lobanova, 3 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol VI, No 4, 1961,
pp 804-808.

Cleaver-Hume Press

Sci
Jun 62

200,171

Optical and Tensimetric Studies of the
Chlorine Derivatives of Hexavalent Tungsten,
by S. A. Shchukarev, G. I. Novikov, 16 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,
No 12, 1958, pp 2630-2641.

AEC-tr-4460
PL-480

Sci
Aug 62
PST-382

206,605

III. Heats of Formation of the Hexavalent
Tungsten Chloro-Derivatives, by
S. A. Shchukarev, I. V. Vasil'kova, 6 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,
No 12, 1958, pp 2642-2646.

AEC-tr-4460
PL-480

Sci
Aug 62
PST-382

206,606

Heats of Formation of Uranyl Chloride and
Uranium Monoxytrichloride, by S. A. Shchukarev,
I. V. Vasil'kova, 5 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,
No 12, 1958, pp 2647-2650 .

AEC-tr-4460
PL-480

Sci
Aug 62
PST-382

206,607

The Heats of Formation of Uranyl Bromide,
Uranium Bromide and Monoxytribromide, by
S. A. Shchukarev, I. V. Vasil'kova, 4 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,
No 12, 1958, pp 2651-2653.

AEC-tr-4460
PL-480

Sci
Aug 62
PST-382

206,603

Shchukarev, S. A., Kolbin, N. I., and Ryabov, A. N.
ANHYDROUS RUTHENIUM TRIBROMIDE. [1962] [7]p.
8 refs.
Order from OTS or SLA \$1.10

63-13401

Trans. of Leningrad U. Vestnik (USSR) 1961, v. 16,
no. 4, Ser[iya] Fizika i Khimia no. 1, p. 100-104.

DESCRIPTORS: *Ruthenium compounds, *Bromides,
Anhydrides, Synthesis, Physical properties,
Dissociation.

Anhydrous ruthenium tribromide was prepared by
directly combined ruthenium and bromine in sealed
tubes at a bromine pressure of 15 to 20 atm and a tem-
perature of 450° to 500°C. The density and the lattice
plane spacing of RuBr₃ prepared in the dry way were
determined. A study was made of the thermal dis-
sociation of ruthenium tribromide, and the thermo-
(Chemistry--Inorganic, TT, v. 10, no. 4) (over)

63-13401

- I. Shchukarev, S. A.
- II. Kolbin, N. I.
- III. Ryabov, A. N.
- IV. Translations, New York

Office of Technical Services

Shchukarev, S. A. and Suborov, A. V.
A THERMODYNAMIC INVESTIGATION OF CERTAIN
CHLORINE DERIVATIVES OF MOLYBDENUM AND
TUNGSTEN, [1962] 15p. 26 refs.
Order from OTS or SLA \$1.60

63-13032

Trans. of Leningrad U. Vestnik (USSR) 1961 [v. 16]
no. 4 [Seriya Fizika i Khimiia no. 1] p. 87-99.

DESCRIPTORS: *Molybdenum compounds, *Tungsten
compounds, *Chlorides, *Oxychlorides, Evaporation,
Dissociation, Disproportionation, Transition
temperature, Measurement, Chemical reactions,
*Thermodynamics.

The processes of evaporation, dissociation and
disproportionation in the system $\text{MoCl}_5 - \text{MoO}_3$ and
 $\text{WCl}_5 - \text{WC}_3$ by means of membrane and optico-
tensiometric methods were studied. Some thermodynamic
functions of these processes were obtained. (Author)
(Chemistry--Physical, TГ, v. 10, no. 3)

63-13032

I. Shchukarev, S. A.
II. Suborov, A. V.

A346065

Office of Technical Services

Enthalpies of Formation of Binary Compounds
of the Elements of the Main Subgroup of Group
V. The Phenomenon of Secondary Periodicity,
by S. M. Ariya, M. P. Morozova and S. A.
Shchukarev, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII,
No 5, 1957, pp 1131-1136.

Consultants Bureau

Sci - Chem

72,841

Sep 58

Study of Solubility in the System CsNO₃ - HNO₃ - H₂O at 25°, by S. A. Shchukarev, M. A. Yakimov,
6 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 7,
1958, pp 1661-1664.

AEC-tr-4455
PL-480

Sci
May 62
PST 377

195,600

Thermal Dissociation of Gold Bromides, by
S. A. Shchukarev, ~~XXXX~~ M. A. Oranskaya, 7 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,
No 7, 1958, pp 1478-1482.

AEC-tr-4455
PL-480

Sci
May 62
PST 377

195,325

Enthalpy of Solution of Zinc Perchlorate Hexahydrate, by S. A. Shchukarev, S. N. Andreyev, Z. G. Borisova, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 8, 1959, pp 2468, 2469.

Consultants Bureau

Sci /

Aug 60

126,690

Enthalpy of Formation of Compounds of Titanium
With Elements of the Main Subgroup of Group V,
by S. A. Shchukarev, M. P. McFozova, Li Miao-hsiu,
3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 8,
1959, pp 2465-2467.

Consultants Bureau

Sci

Aug 60

126,689

Heats of Solution of Copper Perchlorate Hexahydrate in
Water and in Aqueous Solutions of Perchloric Acid,
by S. A. Shchukarev, G. M. Orlova, Z. U. Borisova,
4pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 7, 1960,
pp 2097-2101

CB 166, 279 541

Sci.

Aug 61

Heats of Reaction of CdO and Cd(OH)₂ With
Nitro and Perchloric Acids, by S. A. Shechukarev,
E. S. Mllich, et al.

RUSSTAN, par, Vest Lenin Univ, Ser Fiz 1
Khim, Vol XIV, No 10, 1959, pp 66-71.

SLA 60-16828

Sci
Vol IV, No 7
Apr 62

193, 850

The Thermal Dissociation of Chromium Bromide
and Chromium Chloride, by S. A. Shchukarev, T. A.
Tolmacheva, 6 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 8,
1956, pp. 1697-1702.

AEC-Tr-4589

Sci

340, 913

Apr 63

Enthalpy of Formation of Strontium Phosphide, by S. A.
Shchukarev, M. P. Morozova, and Kan Kho Yn, 2 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 2, 1957,
pp 289-290.

Consultants Bureau

Sci - Chem

Jul 58

67,207

The Reduction of Thorium Tetrabromide by Hydrogen,
S. A. Shchukarev and G. I. Novikov, 6 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 9, 1953
pp. 1953

ABC-TR-4590
PL-480

341, 218

Sci

Jun 63

Investigation of Molybdenum Halides: Synthesis and Determination of the Formation Enthalpy of Molybdenum Tetrachloride, by S. A. Shchukarev, I. V. Vasil'kova, B. N. Sharupin, 8 pp.

RUSSIAN, per, Vest Leningrad U., Ser Fiz i Khim, Vol XIV, No 2, 1959, pp 72-77.

SIL 60-16769

190, 263

Sci

Apr 62

Vol IV, No 6

Enthalpy of Formation of Lithium and Barium
Bismuthides, by S. A. Shchukarev, M. P.
Morozova, Kan Kho In, and V. T. Sharov, 4pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII,
No 2, 1957, pp 290-298.

2
Consultants Bureau

Sci - chem

Jul 58

67,209

SHCHUKAREV, S. A., Dept Gen and Inorg Chem, Leningrad State U.,

Atomic Weight as a Periodic Function: A Study of Binary Elements

Zhur Obshch Khim, Vol XIX, No 19, 1949, pp 1-14

Consultants Bureau Translation

A. 10854

The Reduction of Cerium Trichloride With Hydrogen, by
S. A. Shchukarev, G. I. Novikov.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 3, 1956,
pp 362-365.

Assoc Tech Sv *Tr*
\$7.20 RT-766
51, 527

Sci - Chemistry
Aug 57

Intrapulmonary Hamartomas, by N. K. Shchukareva,
5 pp.

RUSSIAN, per, Voprosy Onkol, Vol V, No 11, 1959,
pp 609-613.

PP

Sci

Sep 60

127,582

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002

Functional State of the Stomach in Cancerous and
Precancerous Conditions, by A. I. Rakov, T. V.
Shemiakina, N. K. Shchukareva, G. G. Ivanov, 7 pp.

RUSIAN, bimo per, Voprosy Onkologii, Vol III, No 1,
1957, pp 42-48.

Pergamon Press

Sci - Medicine
Oct 57

54,583

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002

Instruments for Humidity Measurements on Different Products and Materials, by I. K. Petrov, A. I. Shchukin, 4 pp.

RUSSIAN; per, Priborostroyeniye, No 9, 1960,
pp 20-22.

Taylor & Francis

147,747

Sci

Aug 61

Dynamic and Fluctuation Errors in
Guided Vehicles, by A. N. Shchukin,
201 pp.

RUSSIAN, bk, Dinamicheskiye i
Flyaktivatsionnyye Oshibki Upravlyayemykh
Ob"yektorov, Moscow, 1961, pp 1-214.
9668497

FTD-TT-62-1087

Sci-engr
May 63

230,882

The Effect of Fluctuation Interference on the Accuracy of Determining Coordinates by Radio-Engineering Methods, by A. N. Shchukin, 35 pp.

RUSSIAN, monograph, 100 Let so Dnya Rozhdeniya A. A. Popova, 1960, pp 5-28. 9069998

SLA

Sci - Electron

Dec 62

219,337

Theory of Probability and Experimental Determining
Characteristics of Complex Objects, by A. N.
Khchukhin, 20 pp.

RUSSIAN, bk, Teoriya Veroyatnostey i Eksperimental'-
ye Opredeleniye Kharakteristik Slozhnykh Ob'yektor,
Moscow, Gosenergoizdat, 1959, pp 29-45.

CIA 9071184

Sci - Phys

Sep 60

127,130

Abstracts of Information Theory, by A. N. Shchukin,
V. I. Siforov, G. G. Belonogov, A. M. Polykovskiy.

UNCLASSIFIED

RUSSIAN, rpt, Papers Given at the 1959 Radio Day Meeting
of NTORIE, Moscow, May 1959.

Navy 2460/ONI 703

Sci - Phys
Apr 60

Nonstationary Processes in Resonance and Band
Amplifiers, by A. N. Shchukin.

RUSSIAN, per, Izvestiya, An USSR, Phys Ser,
Vol X, No 1, 1946, pp 37-48.

Morris D. Friedman

Electronics
Sci - ~~NEGX~~
Aug 58

68,918

8-5/63

Calculation Method of Short-Wave Field Intensity
at Long Range, by A. N. Shchukin

RUSSIAN, per, Zhurnal Tekhnicheskoy Fiziki, Vol II,
No 6, 1932, pp 550-569.

JPRS/DC-8360

Sci - Electron
Jan 63

219,619

On a Method of Combating Impulse Interference in
Radio Reception, by A. N. Shchukin.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol X,
No 1, 1946, pp 49-56.

MIT Lincoln Lab

Sci - Electron

Jul 58

67,149

Table of Contents of Probability Theory and the Experimental Determination of Characteristics of Complex Objects, by A. N. Shchukin, 4 pp.

RUSSIAN, bk, publ by State Power Engineering Publishing House, Moscow-Leningrad, 1959.

Dept of Commerce
Dr Henry Birnbaum
Natl Bur of Standards

Sci 60 Physics
Jan 60

Nucleation and Development of Cracks in Deformed
Crystals, by L. A. Kochanova, E. D. Shchukin, V. I.
Lichtman, F. A. Rehbinder, 3 pp. UNCLASSIFIED

RUSSIAN, par, Dok Ak Nauk, SSSR, Vol CXXXIII, No 1,
1960, pp 71-73.

Navy Tr 2731/NRL 826

Sci - Physics
Feb 61

138, 977

Brittle fracture of Single Crystals of Zinc, by E.
D. Shchukin, V. I. Likhman, 4 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXXIV, No 2, 1959
pp 307-.

Amer Inst of Phys
Sov Phys - Doklady
Vol IV, No 1

Sci - phys

97,088

A Possible Mechanism for the Formation of Slip Lines
in the Absence of Localized Sources of Dislocations,
by E. D. Shechkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV, No 1,
1960, pp 61-64.

AIP
Sov Phys - Dok
Vol V, No 6

Sci.

158, 399

Jun 61

Spreading of Liquid Metals Over Solid Metal Surfaces in Relation to the Adsorption Effect of Strength Decrease. 2. Influence of Volume Diffusion on the Spreading of Mercury Over a Zinc Surface, by E. D. Shchukin, B. D. Summ, 5 pp.

RUSSIAN, per, Kolloidnyi Zhur, Vol XXV, No 2, Mar, Apr, 1963, pp 253-259.

CB

Sci
Aug 64

264,602

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

Physicochemical Mechanics of Metail, by
V. I. L. Shchegolev, E. D. Shchegoleva, 224 pp.
BUSHAM, Inc. Press-Moscow-1960
Moscow, USSR.
GTS 44-1960
PL-400

Sci - M/M
Jan 64

2265,305

APPROVED FOR RELEASE: Tuesday, November 13, 2001

CIA-RDP84-00581R0002I

The Spreading of Liquid Metals on the Surface of
Solid Metals in Relation to the Strength-Reducing,
Adsorption Effect. I. The Laws Governing the Flow
of Mercury on a Zinc Surface, by E. D. Shchukin,
Yu. V. Goryunov, 6 pp.

RUSIAN, per, Kolloidnaii Zhurnal, Vol XXV, No 1,
1963, pp 108-114.

CB
241, 815

Sci -
Nov 63

Mechanism of Brittle Rupture of Metal Crystals,
by L. A. Kochanova, E. D. Slichukin, V. I.
Likhrtman, 6 pp.

RUSSIAN, per, Fizika Tverdogo Tela, Vol III,
No 3, 1961, pp 902-910.

AIP
Soviet Phys
Vol III, No 3

168, 727

Sci

Sep 61

Physico-Chemical Phenomena in the Deformation of
Metals, by V. I. Likhtman, E. D. Shchukin, 22 pp.
RUSSIAN, par, Uspelkh Fiz Nauk, Vol LXVI, No 2,
1958, pp 213-.

AIP
Sov Phys-Uspelkh
Vol 1(66), No 1

Sci.

132,076

Nov 60

On the Variation of Mechanical Properties, Structure,
and Electrical Conductivity of Single Crystals
Under the Influence of a Strong Adsorption-Active
Medium, by E. D. Shchukin, N. V. Pertsov, Yu. V.
Goryunov, 11 pp.

RUSSIAN, per, Kristallografiya, Vol IV, No 6,
Nov-Dec 1959, pp 887-~~887~~ 897.

Amer Inst of Phys
Sov Phys - Crystal
Vol IV, No 6

122, 364

Sci -
Jul 60

Change of the Structural and Mechanical Properties
of Single Crystals of Tin Under the Influence
of a Highly Adsorption-Active Medium, by Yu. V.
Goryunov, N. V. Pertsov, E. D. Shchukin, P. A.
Rebinder, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII,
No 2, 269-272.

Amer Inst of Phys
Sov Phys-Doklady
Vol IV, No 5

118,095

Sci
May 60

The Crystal Deformability Criterion and Adsorption Effects, by E. D. Shchukin, 4 pp.

RUSSIA, per, Dok Ak Nauk SSSR, Vol CXVIII, No 6,
1958, pp 1105-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 1

Sci - Phys

Jul 59

91, 4680

On the Nature of Jerky Plastic Deformation in
Metallic Single Crystals, by E. D. Shechukin, Yu. V.
Doryunov, N. V. Portsov, V. N. Rozhanskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 2,
1958, pp 277-.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 1

Sci - Phys

Jul 59

91,492

Gamma-radiation From Eu^{152,154} by E. S.
Dzhelepov, N. N. Zhukovskiy, V. G. Nedovesov,
G. E. Shchukin, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI,
No 7, 1957, pp 966-972.

Columbia Tech

Sci - Physics

Oct 58

75,373

Luminescence of Color Centers in CsI:Tl Crystals
(A), by Z. L. Morgenshtern and I. P. Shchukin, 2 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI,
No 4, 1957, pp 593,594.

Columbia Tech

Sci - Phys

Jul 58

67,455

The Development of Colon Bacilli From Filterable
Forms, by I. F. Shchukin, 3 pp.

RUSSIAN, no per, Zhur Mikrobiol, Epidemiol i
Immunobiol, Vol XXVIII, No 1, 1957, pp 108, 109.

Pergamon Press

Sci - Med
Jun 57

48, 916

(for NIH)

On the Initiation and Growth of Cracks in Strained
Crystals, by L. A. Kochanova, E. D. Shchukin,
V. I. Likhtman, and P. A. Rebinder, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII,
No 1, 1960, pp 71-73.

AIP
Sov Phys- Doklady
Vol V, No 4

Sci

141, 689

Mar 61